

- side that selectively homes to
- ptide of claim 1, said peptid  
nce:
- <sub>2</sub> (SEQ ID NO: 45),
- and X<sub>2</sub> each is about 1 to abo  
ed amino acids.
- ptide of claim 2, said peptid  
nce CLSSRLDAC (SEQ ID NO: 3).
- ptide of claim 2, said peptid  
selected from the group co  
NO: 1) and CNSRLQLRC (SEQ ID
- ptide of claim 1, said peptid  
nce:
- <sub>4</sub> (SEQ ID NO: 46),
- is absent or is about 1 to 10  
ed amino acids and X<sub>4</sub> is about  
y selected amino acids.
- ptide of claim 5, said peptid  
selected from the group co  
NO: 4) and WRCVLREGPAGGCAWFNR

7. The peptide of claim 1, said peptide having an amino acid sequence selected from the group consisting of CENWWGDVC (SEQ ID NO: 2) and CGVRLGC (SEQ ID NO: 6).

8. The peptide of claim 1, said peptide having an amino acid sequence selected from the group consisting of CKDWGRIC (SEQ ID NO: 7); CLDWGRIC (SEQ ID NO: 8); and CTRITESC (SEQ ID NO: 9).

9. A peptide that selectively homes to kidney.

10. The peptide of claim 9, said peptide having an amino acid sequence selected from the group consisting of CLPVASC (SEQ ID NO: 21); CGAREMC (SEQ ID NO: 22); and CKGRSSAC (SEQ ID NO: 23).

11. The peptide of claim 9, said peptide having an amino acid sequence selected from the group consisting of CWARAQGC (SEQ ID NO: 24); CLGRSSVC (SEQ ID NO: 25); and CTSPGGSC (SEQ ID NO: 26).

12. A molecule that homes to a selected organ, wherein said molecule is identified by *in vivo* panning, comprising the steps of:

- a. administering to a subject a library of diverse molecules;
- b. collecting a sample of the selected organ; and
- c. identifying a molecule that homes to said selected organ.

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